

# Pressure Relief Devices for Oxygen Generators

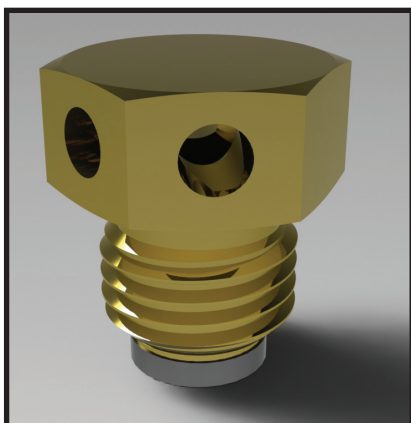
Oxygen generators (also called oxygen concentrators) are devices used to provide oxygen therapy to patients at substantially higher concentrations than those of ambient air. With their portability and dramatic cost savings (about half the cost of a year's supply of oxygen from cylinders), oxygen generators are widely used for home and institution therapies.



In the event that an oxygen generator becomes overheated, the internal pressure within the generator will increase. An over pressure relief device such as the Rupture Disc assembly will provide pressure protection to minimize the occurrence of unsafe internal pressure and create a safer oxygen delivery system for the patient.

## Industries/Applications:

- Healthcare Industry
- Emergency Rescue
- Commercial Aviation Oxygen Systems
- Military Aircraft Oxygen Systems



Soldered Plug Assembly

## Materials:

- Rupture Disc – 316 SS, Nickel or Inconel®\*
- Holder – Brass or 316 SS

## Specifications:

- Burst Pressure available from 1000 to 6000 psig at 72°F (70 to 400 Barg at 22°C)
- Available Nominal Size:  $\frac{3}{16}$ " (4.5 mm) to  $\frac{1}{2}$ " (12.5 mm) diameter
- Thread Interface:  $\frac{3}{8}$ " (9.5 mm) to  $\frac{3}{4}$ " (19.0 mm) diameter threads in most thread classes.
- Current Model Nos.: CD31195 (pictured below), others models available upon request.



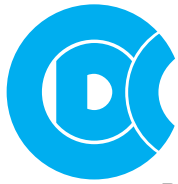
## Industry Standards/Certifications:

- Produced and tested in accordance with industry standards.

## Features:

- Availability of a wide range of sizes, materials, and burst pressure ratings for use in numerous protection applications.
- Single component solid metal tension acting Rupture Disc with full opening design for optimum design and reliable performance.
- For use in liquid or gas service and systems operating at up to 70% of the Rupture Disc's rated burst pressure.
- Oxygen cleaned assembly and package.

\* Inconel® is a registered trademark of the Inco family of companies.



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**Benefits:**

- Reduces costs and risk by protecting against damage to surrounding equipment and injury to personnel due to catastrophic overpressure events.
- Manufactured under Continental Disc Corporation ISO 9001 Certified Quality Assurance System.

Continental Disc Corporation provides solutions for even the toughest pressure protection problem. Call us to learn more or visit our website at [www.contdisc.com](http://www.contdisc.com).

Continental Disc Corporation has representatives located throughout the world. Contact the Continental Disc Corporation office nearest you for the authorized representative in your area or visit [www.contdisc.com](http://www.contdisc.com).

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